

LISTING OF CLAIMS

Claims 1-20 are pending in this application. Claims 1, 2, 4, 7, 8 and 10 are herein amended. The following listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A method for automatically identifying call appearance Call Appearance values from a message exchange over a D channel in a PBX device coupled to multiple ISDN Basic Rate Interfaces (BRIs), ~~BRIs~~ said method, for each BRI coupled to the PBX device, comprising the steps of:

(a) generating a first call from a first Primary Directory Number (PDN1) ~~PDN1~~ to a second Primary Directory Number (PDN2) ~~PDN2~~ in the same BRI circuit; and

(b) monitoring the message exchange on the D channel to obtain first Call Appearance information. *→ (when second appearance is received)* 112 2nd

2. (Currently Amended) A method according to claim 1 further comprising the step of:

(c) obtaining said first Call Appearance information from the D channel.

3. (Original) A method according to claim 2 further comprising the steps of:

(d) putting the first call on hold;

(e) generating a second call from PDN1 to PDN2 in the same BRI circuit; and

(f) monitoring the message exchange on the D channel to obtain second Call Appearance information.

4. (Currently Amended) A method according to claim 3 further comprising the step of:

(g) obtaining said second Call Appearance information from the D channel.

5. (Original) A method according to claim 4 further comprising the step of:

(h) repeating the steps of putting a call on hold, generating another call, and monitoring the D channel until the generated call results in a busy signal.

6. (Original) A method according to claim 5 further comprising the step of:

(i) repeating steps a-h with calls being generated from PDN2 to PDN1.

7. (Currently Amended) A PBX device coupled to multiple ISDN Basic Rate Interfaces (BRIs) ~~BRIs~~, said PBX device comprising:

(a) dialing means for generating a first call from a first Primary Directory Number (PDN1) ~~PDN1~~ to a second Primary Directory Number (PDN2) ~~PDN2~~ in the same BRI circuit; and

(b) monitoring means for monitoring ~~the~~ message exchange on the D channel to automatically obtain first Call Appearance information.

8. (Currently Amended) A PBX device according to claim 7 further comprising:

(c) capture means for obtaining said first Call Appearance information from the D channel.

9. (Original) A PBX device according to claim 8 further comprising:

(d) holding means for putting the first call on hold; and

(e) repeating means coupled to said dialing means and said monitoring means, wherein upon putting the first call on hold, the repeating means causes the dialing means to generate a second call from PDN1 to PDN2 in the same BRI circuit, and causes the monitoring means to monitor the message exchange on the D channel to obtain second Call Appearance information.

10. (Currently Amended) A PBX device according to claim 9 wherein said repeating means is coupled to said capture means and causes said capture means to obtain said second Call Appearance information from the D channel.

11. (Original) A PBX device according to claim 10 wherein said repeating means causes said holding means, said dialing means and said monitoring means to repeat the steps of putting a call on hold, generating another call, and monitoring the D channel until the generated call results in a busy signal.

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12. (Original) A PBX device according to claim 11 wherein said repeating means causes said dialing means, said holding means and said monitoring means to repeat the steps of generating a call, monitoring the D channel, putting a call on hold, generating another call, and monitoring the D channel until the generated call results in a busy signal with calls being generated from PDN2 to PDN1.

13. (Original) A PBX device according to claim 7 wherein said dialing means and said monitoring means are embodied in a microprocessor with an associated software program.

14. (Original) A PBX device according to claim 7 wherein said dialing means and said monitoring means are embodied in a field programmable gate array.

15. (Original) A PBX device according to claim 7 wherein said dialing means and said monitoring means are embodied in an application specific integrated circuit.

16. (Original) A PBX device according to claim 7 wherein said dialing means and said monitoring means are embodied in firmware in the PBX device.

17. (Original) A PBX device according to claim 9 wherein said dialing means, said monitoring means, said capture means, said holding means, and said repeating means are embodied in a microprocessor with an associated software program.

18. (Original) A PBX device according to claim 9 wherein said dialing means, said monitoring means, said capture means, said holding means, and said repeating means are embodied in a field programmable gate array.

19. (Original) A PBX device according to claim 9 wherein said dialing means, said monitoring means, said capture means, said holding means, and said repeating means are embodied in an application specific integrated circuit.

20. (Original) A PBX device according to claim 9 wherein said dialing means, said monitoring means, said capture means, said holding means, and said repeating means are embodied in firmware in the PBX device.

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